AMENDMENTS TO THE CLAIMS

This following is a listing of claims pending in the instant application:

CLAIMS

1. (Currently Amended) A method for unifying speech user interface and graphic user interface commands, comprising the steps of:

receiving grammar specifying a syntax of at least one speech command and having semantic information; [[and]]

processing the grammar to extract the semantic information for use with both a graphical user interface and a speech user interface[[.]]; and

receiving a user input to select at least one component in the graphical user interface during a navigation of the graphical user interface;

audibly receiving the at least one speech command associated with the at least one component from the speech user interface;

visually presenting the at least one speech command in a visual prompt of the graphical user interface responsive to the step of audibly receiving; and

building a corresponding speech command for a plurality of speech commands associated with a plurality of components.

2. (Currently Amended) The method of claim 1, wherein the method further comprises the step of generating graphical user interface elements corresponding to the semantic information in the grammar and wherein the corresponding speech command is a single instance of a plurality of speech commands associated with a selection of one or more components of the graphical user interface during the navigation of the graphical user interface..

3. (Original) The method of claim 1, wherein the method further comprises the step of generating speech grammar from the grammar and semantic information.

4. (Original) The method of claim 1, wherein the method further uses the grammar and the semantic information to generate visual graphical user interface elements required to implement a set of commands contained in the grammar.

5. (Original) The method of claim 1, wherein the step of processing further comprises processing the semantic information to generate semantic directives used for parsing the grammar between the graphical user interface and the speech user interface.

6. (Currently Amended) A method for unifying speech user interface and graphic user interface commands, comprising the steps of:

receiving user entered text via a graphical user interface;

processing the user entered text via the graphical user interface;

monitoring the user entered text and adding input context associated with a selection of at least one component in the graphical user interface to the user entered text; [[and]]

updating a speech recognizer with the user entered text and semantic information[[.]];

audibly receiving at least one speech command associated with the selection of the at least one component from the speech user interface;

visually presenting the at least one speech command in a visual prompt of the graphical user interface responsive to the step of audibly receiving; and

building a corresponding speech command for a plurality of speech commands associated with a plurality of components,

wherein the corresponding speech command is a single instance of a plurality of speech commands associated with a selection of one or more components of the graphical user interface during the navigation of the graphical user interface.

7. (Original) The method of claim 6, wherein the step of updating the speech recognizer comprises the step of accepting new text information and input context to augment and update a speech grammar and recognition vocabulary of the speech recognizer.

8. (Original) The method of claim 6, wherein the method further comprises the step of updating the graphical user interface.

9. (Original) The method of claim 8, wherein the step of updating the graphical user interface comprises the steps of updating graphical user interface directives and elements to maintain the graphical user interface unified with the speech grammar.

10. (Original) The method of claim 6, wherein the method further comprises forming a window for displaying a speech interface command as it is being built using the graphical user interface.

11. (Currently Amended) A system having a unified speech user interface and graphical user interface, comprising:

a display for providing an output for graphic user interface elements; and

a processor coupled to the display, the processor programmed to:

receive grammar specifying a syntax of at least one speech command and having semantic information; [[and]]

process the grammar to extract the semantic information for use with both a graphical user interface and a speech user interface[[.]];

receive a user input to select at least one component in the graphical user interface during a navigation of the graphical user interface;

audibly receive the at least one speech command associated with the at least one component from the speech user interface;

visually present the at least one speech command in a visual prompt of the graphical user interface responsive to the step of audibly receiving; and

build a corresponding speech command for a plurality of speech commands associated with a plurality of components.

12. (Currently Amended) The system of claim 11, wherein the processor is further programmed to generate graphical user interface elements corresponding to the semantic information in the grammar and wherein the corresponding speech command is a single instance of a plurality of speech commands associated with a selection of one or more components of the graphical user interface during the navigation of the graphical user interface..

13. (Original) The system of claim 11, wherein the processor is further programmed to generate speech grammar from the grammar and semantic information.

14. (Original) The system of claim 11, wherein the processor is further programmed to use the grammar and the semantic information to generate visual graphical user interface elements required to implement a set of commands contained in the grammar.

15. (Original) The system of claim 11, wherein the processor is further programmed to process the semantic information to generate semantic directives used for parsing the grammar between the graphical user interface and the speech user interface.

16. (Currently Amended) A system having a unified speech user interface and graphical user interface, comprising:

a display for providing an output for graphic user interface elements; and

a processor coupled to the display, the processor programmed to:

receive user entered text via a graphical user interface;

process the user entered text via the graphical user interface;

monitor the user entered text and adding input context associated with a selection of at least one component in the graphical user interface to the user entered text; [[and]]

update a speech recognizer with the user entered text and semantic information[[.]];

audibly receive at least one speech command associated with the selection of at least one component from the speech user interface;

visually present the at least one speech command in a visual prompt of the graphical user interface responsive to the step of audibly receiving; and

build a corresponding speech command for a plurality of speech commands associated with a plurality of components,

wherein the corresponding speech command is a single instance of a plurality of speech commands associated with a selection of one or more components of the graphical user interface during the navigation of the graphical user interface.

17. (Original) The system of claim 16, wherein the processor is further programmed to update the speech recognizer by accepting new text information and input context to augment and update a speech grammar and recognition vocabulary of the speech recognizer.

18. (Original) The system of claim 16, wherein the processor is further programmed to update the graphical user interface by updating graphical user interface directives and graphical user elements to maintain the graphical user interface unified with the speech grammar of the speech user interface.

19. (Original) The system of claim 16, wherein the processor is further programmed to form a window in the graphical user interface enabling the display of a speech interface command as a user constructs the speech interface command.

20. (Currently Amended) A machine readable storage, having stored thereon a computer program having a plurality of code sections executable by a machine for causing the machine to perform the steps of:

receiving grammar specifying a syntax of at least one speech command and having semantic information; [[and]]

processing the grammar to extract the semantic information for use with both a graphical user interface and a speech user interface[[.]] ;

receiving a user input to select at least one component in the graphical user interface during a navigation of the graphical user interface;

audibly receiving the at least one speech command associated with the at least one component from the speech user interface;

visually presenting the at least one speech command in a visual prompt of the graphical user interface responsive to the step of audibly receiving; and

building a corresponding speech command for a plurality of speech commands associated with a plurality of components,

wherein the corresponding speech command is a single instance of a plurality of speech commands associated with a selection of one or more components of the graphical user interface during the navigation of the graphical user interface.

21. (Currently Amended) A machine readable storage, having stored thereon a computer program having a plurality of code sections executable by a machine for causing the machine to perform the steps of:

receiving user entered text via a graphical user interface;

processing the user entered text via the graphical user interface;

monitoring the user entered text and adding input context associated with a selection of at least one component in the graphical user interface to the user entered text; [[and]]

updating a speech recognizer with the user entered text and semantic information[[.]];

audibly receiving at least one speech command associated with the selection of the at least one component from the speech user interface;

visually presenting the at least one speech command in a visual prompt of the graphical user interface responsive to the step of audibly receiving; and

building a corresponding speech command for a plurality of speech commands associated with a plurality of components,

wherein the corresponding speech command is a single instance of a plurality of speech commands associated with a selection of one or more components of the graphical user interface during the navigation of the graphical user interface.